IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A thermoelectric material which is <u>a</u> sintered body and represented by composition formula (1) and comprises as a major phase an MgAgAs crystal structure, the sintered body being obtained by manufacturing an alloy containing predetermined elements melting raw materials to obtain melted raw materials, quenching the melted raw materials to obtain an alloy formed of a metallic lump, pulverizing the alloy to obtain an alloy powder, and monolithic molding the alloy powder by sintering, hot press or SPS method, wherein the composition formula (1) is $(Ti_{a1}Zr_{b1}Hf_{c1})_xNi_ySn_{100-x-y}$, and

a1, b1, c1, x and y satisfy the conditions of: 0 < a1 < 1, 0 < b1 < 1, 0 < c1 < 1, a1+b1+c1=1, $30 \le x \le 35$ and $30 \le y \le 35$,

and the sintered body has a dimensionless figure-of-merit ZT value of not less than 0.05 at 300° K.

Claim 2 (Original): The thermoelectric material according to claim 1, wherein Ti, Zr and Hf in said composition formula (1) are partially replaced by at least one element selected from the group consisting of V, Nb, Ta, Cr, Mo and W.

Claim 3 (Original): The thermoelectric material according to claim 1, wherein Ni in said composition formula (1) is partially replaced by at least one element selected from the group consisting of Mn, Fe, Co and Cu.

Claim 4 (Original): The thermoelectric material according to claim 1, wherein Sn in said composition formula (1) is partially replaced by at least one element selected from the group consisting of As, Sb, Bi, Ge, Pb, Ga and In.

Claim 5 (Withdrawn): A thermoelectric material which is represented by the following composition formula (2) and comprises as a major phase an MgAgAs type crystal structure:

$$(Ln_d(Ti_{a2}Zr_{b2}Hf_{c2})_{1-d})_xNi_ySn_{100-x-y}$$

composition formula (2);

(wherein Ln is at least one element selected from the group consisting of Y and rare earth elements; and a2, b2, c2, d, x and y satisfy the conditions of:

$$0 \le a2 \le 1$$
, $0 \le b2 \le 1$, $0 \le c2 \le 1$, $a2+b2+c2=1$, $0 < d \le 0.3$, $30 \le x \le 35$ and $30 \le y \le 35$).

Claim 6 (Withdrawn): The thermoelectric material according to claim 5, wherein Ti, Zr and Hf in said composition formula (2) are partially replaced by at least one element selected from the group consisting of V, Nb, Ta, Cr, Mo and W.

Claim 7 (Withdrawn): The thermoelectric material according to claim 5, wherein Ni in said composition formula (2) is partially replaced by at least one element selected from the group consisting of Mn, Fe, Co and Cu.

Claim 8 (Withdrawn): The thermoelectric material according to claim 5, wherein Sn in said composition formula (2) is partially replaced by at least one element selected from the group consisting of As, Sb, Bi, Ge, Pb, Ga and In.

Claim 9 (Withdrawn): A thermoelectric material which is represented by the following composition formula (3) and comprises as a major phase an MgAgAs type crystal structure:

(wherein Ln1 is at least one element selected from the group consisting of Sc, Y, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Th and U; and X and Y satisfy the conditions of: $30 \le X \le 35$ and $30 \le Y \le 35$, respectively).

Claim 10 (Withdrawn): The thermoelectric material according to claim 9, wherein Ln1 in said composition formula (3) is partially replaced by at least one element selected from the group consisting of Ti, Zr, Hf, La, Ce, Pr, Nd, Sm, Eu, Be, Mg, Ca, Sr and Ba.

Claim 11 (Withdrawn): The thermoelectric material according to claim 9, wherein Ni in said composition formula (3) is partially replaced by at least one element selected from the group consisting of V, Nb, Ta, Cr, Mo, W, Mn, Fe, Co, Rh, Ir, Pb, Pt, Cu, Ag, Au and Zn.

Claim 12 (Withdrawn): The thermoelectric material according to claim 9, wherein Sb in said composition formula (3) is partially replaced by at least one element selected from the group consisting of Al, Si, Ga, Ge, As, In, Sn, Pb and Bi.

Claim 13 (Withdrawn): A thermoelectric material which is represented by the following composition formula (4) and comprises as a major phase an MgAgAs type crystal structure:

$$(Ln2pY_{1-p})XNiySb_{100-X-Y}$$

composition formula (4);

(wherein Ln2 is at least one element selected from the group consisting of Sc, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Th and U; and p, X and Y satisfy the conditions of: $0.001 \le P \le 0.999$, $30 \le X \le 35$ and $30 \le Y \le 35$, respectively).

Claim 14 (Withdrawn): The thermoelectric material according to claim 13, wherein Ln2 in said composition formula (4) is partially replaced by at least one element selected from the group consisting of Ti, Zr, Hf, La, Ce, Pr, Nd, Sm, Eu, Be, Mg, Ca, Sr and Ba.

Claim 15 (Withdrawn): The thermoelectric material according to claim 13, wherein Ni in said composition formula (4) is partially replaced by at least one element selected from the group consisting of V, Nb, Ta, Cr, Mo, W, Mn, Fe, Co, Rh, Ir, Pb, Pt, Cu, Ag, Au and Zn.

Claim 16 (Withdrawn): The thermoelectric material according to claim 13, wherein Sb in said composition formula (4) is partially replaced by at least one element selected from the group consisting of Al, Si, Ga, Ge, As, In, Sn, Pb and Bi.

Claim 17 (Original): A thermoelectric element comprising: p-type thermoelectric material and n-type thermoelectric material, both of which are alternately connected with each other in series, wherein the n-type thermoelectric material comprises the thermoelectric material claimed in Claim 1.

Claim 18 (Withdrawn): A thermoelectric element comprising: p-type thermoelectric material and n-type thermoelectric material, both of which are alternately connected with

each other in series, wherein the n-type thermoelectric material comprises the thermoelectric

material claimed in Claim 5.

Claim 19 (Withdrawn): A thermoelectric element comprising: p-type thermoelectric

material and n-type thermoelectric material, both of which are alternately connected with

each other in series, wherein the p-type thermoelectric material comprises the thermoelectric

material claimed in Claim 9.

Claim 20 (Withdrawn): A thermoelectric element comprising: p-type thermoelectric

material and n-type thermoelectric material, both of which are alternately connected with

each other in series, wherein the p-type thermoelectric material comprises the thermoelectric

material claimed in Claim 13.

Claim 21 (Previously Presented): The thermoelectric material according to claim 1,

wherein the sintered body has a dimensionless figure-of-merit ZT value of 0.08 at 300° K.

Claim 22 (New): The thermoelectric material according to claim 1, wherein the raw

materials are placed in a water-cooled copper hearth.

Claim 23 (New): The thermoelectric material according to claim 1, wherein the raw

materials are subjected to arc-melting.

Claim 24 (New): The thermoelectric material according to claim 1, wherein the raw

materials are quenched in the water-cooled copper hearth.

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